



LOBELIA PLANT NAMED 'LOBOUDTIS'

Latin name of the genus and species of the plant claimed

5 *Lobelia erinus*

Varietal Denomination

'Loboudtis'

10 **Background of the new plant**

The present invention relates to a new and distinct cultivar of Lobelia plant.

The new cultivar is propagated by cuttings resulting from the cross between 'R616' and 'Z925'.

15 'R616' is a light blue flower color selection of own breeding, having a spreading plant habit, rather strong growth, good branching planthabit and being early flowering.

'Z925' is a blue flower color selection of own breeding, having a strong growth, trailing planthabit and being early flowering.

Neither 'R616' or 'Z925' has been patented.

20 As a result of this cross the present cultivar was created in 2000 in Enkhuizen, Netherlands and has been repeatedly asexually reproduced by cuttings in Enkhuizen over a 2 year period.

Is has been found to retain its distinctive characteristics through successive propagations and this novelty appears to be firmly fixed.

Description of the photograph

25 This new Lobelia plant is illustrated by the accompanying photograph which shows blooms, buds and foliage of the plant in full color, the color shown being as true as can be reasonably obtained by conventional photographic procedures.

Description of the new cultivar

The following detailed descriptions set forth the distinctive characteristics of this new Lobelia. The data, which defines these characteristics, were collected from asexual reproductions carried out in Enkhuizen, Netherlands. The plant history was taken on 12 weeks old plants.

Specification of differences with most resembling variety

Characteristic	'Loboudtis'	'Blue Star' (Unpatented variety)	'Ricardii' (Unpatented variety)
- plant height	10 cm	10 cm	10 cm
width	30 cm	35 cm	35 cm
shape	spreading	spreading	spreading
- flower color upper surface	95C	95B	95B
lower surface	95C	100A	95B
flower tube	96D	95C	96D

No descriptions of parentlines are available. The only info is mentioned as background of the new plant on page 1.

The Plant

Classification - Botanical : *Lobelia erinus*

Parentage - Female parent : A seedling named 'R616' is one of our seedlings from our R-generation of plants bred in 1991.

- Male parent : A seedling named 'Z925' is one of our seedlings from our Z-generation of plants bred in 1998.

Growth habit : Spreading

Plant height : 10 cm

Spreading area of plant : 30 cm

Growth rate : Strong growth

Strength : Good-, excellent

Branching Character : Freely branching and lateral branching at every node
Pinching will enhance branching. Branches strong and flexible

5 Blooming period : From May till October

The stem

Diameter : 2.0 mm

Texture : Smooth, slightly pubescent, glossy

10 Color RHS : RHS 147A

Length of internode : 15 mm, depending on the light conditions where the plant is propagated

Shape : (Tri)angular

The Foliage

Shape : Leaves simple, generally symmetrical and flat.
Broadly ovate with rounded apex, obtuse to attenuate base and crenate margin

Texture : Slightly pubescent, glossy

20 Length : Young 40 mm, fully expanded 55 mm

Width : Young 10 mm, fully expanded 16 mm

Colour (both mature and juvenile phase of growth)

- Upper surface : RHS 147A

- Lower surface : RHS 147A

25 Petiole - Length : 1.25 cm

- Diameter : 2 mm

- Color : RHS 147A

Veins - Color : RHS 147B

The Flower

	Type and habit		: Flower form at apical axils, usually one flower per axil. Flowers labiate, upper lip consisting of two small petals and lower lip consisting of three larger and broader petals. Petals are fused at base into a tube. Freely and continuously flowering. Flowers face outward. Flowers persistent. Texture, slightly pubescent. Oblong shape with acute apex and entire margin.
5			
10	Flower	- Width	: Upper petals 1 mm, lower petals 6 mm
		- Length	: Upper petals 5 mm, lower petals 11 mm
		- Depth	: 8 mm 16 mm
	Texture		: Smooth, pubescent
	Buds	- Length	: 7 mm
15		- Diameter	: 2 mm
		- Form	: Tubular
		- Color	: Light green
	Flower color	- Upper surface	: RHS 95C
		- Lower surface	: RHS 95C
20		- Flower tube	: RHS 96D
	Sepals	- No. of sepals	: 5
		- Length	: 6 mm
		- Width	: 0.5 mm
		- Texture	: Smooth, slightly pubescent
25		- Color	: RHS 146A
	Flower stem	- Length	: 20 mm
		- Angle	: Upright
		- Strength	: Rigid, flexible
		- Color	: RHS 147A
30		- Diameter	: 1 mm

- Texture : Slightly pubescent, glossy

- Shape : Round

- Pubescence : Present

Flower throat - Color : Upper RHS 96D

Lower RHS 96D, spots RHS 95B

- Depth : 8 mm

- Texture : Whiskered

Lastingness of blooms : Around 10-14 days, depending on temperature

Number of blooms : Approximately 150 during top of flowering, in 10 cm pot

Between the 3 petals on the lower tip of the flower there are 2 small white spots, diameter 1 mm

Reproductive organs

Androecium - Stamen number : 5

- Anther shape : Oblong

- Anther length : 1 mm

- Pollen color : RHS 202B

- Amount of pollen : Moderate

Gynoecium - Pistel length : 9 mm

- Stigma shape : Bilobate

- Stigma diameter : 1 mm

- Stigma color : N87A

- Style color : Light green

- Ovary color : RHS 146A

Seed development

Some seed development has been observed on plants of the new Lobelia.

Seed colour : —brown

Seed shape : —round

Seed size : Like dust

Seed amount _____ : Around 1000-2000 seeds per fruit/pod

Fruit

Fruitsize: Diameter _____ :—2 mm

5 Length _____ : 4 mm

Fruitcolor _____ : —RHS 147 A

Disease resistance

10 ~~No susceptibility nor resistance to fungal, bacterial or viral pathogens has been noted. Material is~~
~~free of virus.~~

We claim

A new and distinct variety of Lobelia plant, named 'Loboudtis', as illustrated and described.

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Abstract

A new *Lobelia* plant particularly distinguished by its spreading plant habit, strong branching, large flower size and light blue flower color.